

**SOFIA UNIVERSITY “ST. KLIMENT OCHRIDSKI”
FACULTY OF MATHEMATICS AND INFORMATICS**

MASTERS PROGRAMME «eBUSINESS»

RESUME

**MASTERS THESIS: Data Integration for the needs of Business Intelligence
in the retail chain Bricolage**

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KEY WORDS:

Data Integration

Business Intelligence

Data consolidation

Extract, Transform, Load

Data modeling

BI applications

ANNOTATION:

Business Intelligence as a modern approach for clearer insight into businesses organization and for proactive guidance of the business processes towards desired organizational goals is stated for key success factor for the market leadership of retail chain Bricolage.

One of the first steps in a Business Intelligence project is to prepare the raw data used for the needs of future analytical applications. The goal of this master thesis is to describe and to analyze the integration case that forms the basis of the future Business Intelligence project.

Data integration is a strategic focus for each business organization itself that needs a reasonable answer based on deep and complete analysis of the organization's IT infrastructure and the vision of the business leaders for the future challenges it is expected to encounter. In this work the major steps in the conducted analysis are shown in order to unveil the approach for bringing the integration project to a successful end.

Data consolidation approach selected after analysis proved its vitality and effectiveness in the following phases of the Business Intelligence initiative of Bricolage. Information requests from users that required days for IT associates to gather and process now takes just few minutes and no IT participation at all.